Ehitusklaas. Eritooted. Osa 2-1: Klaaskeraamika. Määratlus ja kirjeldus

Glass in building - Special basic products - Part 2-1 Glass ceramics - Definition and description



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1748-2-1:2004 sisaldab Euroopa standardi EN 1748-2-1:2004 ingliskeelset teksti.

Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1748-2-1:2004 consists of the English text of the European standard EN 1748-2-1:2004.

This document is endorsed on 23.11.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This document defines, specifies and classifies glass ceramics for use in building. It indicates their chemical composition, main physical and mechanical properties, dimensional and minimum quality requirements (in respect of optical and visual faults). This document applies to glass ceramics supplied in stock sizes or in cut sizes for final end use. This document does not apply to final cut sizes having a dimension less than 100 mm or a surface area less than 0,05 m².

Scope:

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English version

Glass in building - Special basic products - Glass ceramics - Part 2-1 Definitions and general physical and mechanical properties

Verre dans la construction - Produits de base spéciaux - Partie 2-1 Vitrocéramiques - Définition et description

Glas im Bauwesen - Spezielle Basiserzeugnisse -Glaskeramik - Teil 2-1: Definitionen und allgemeine physikalische und mechanische Eigenschaften

This European Standard was approved by CEN on 21 June 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 1748-2-1:2004) has been prepared by Technical Committee CEN /TC 129 "Glass in Building", the secretariat of which is held by BIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2005, and conflicting national standards shall be withdrawn at the latest by March 2005.

This document supersedes EN 1748-2:1997.

This document consists of the following parts:

EN 1748-2-1 Glass in building - Special basic products - Glass ceramics –Part 2 – 1: Definitions and general physical and mechanical properties

EN 1748-2-2 Glass in building - Special basic products - Glass ceramics – Part 2-2: Evaluation of conformity/Product standard

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

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2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 410, Glass in building - Determination of luminous and solar characteristics of glazing

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

glass ceramics

type of glass consisting of a crystalline and a residual glass phase. The glass is obtained by normal glass manufacturing methods, e.g. casting, floating, drawing, rolling and is subsequently subjected to a heat treatment which transforms, in a controlled manner, part of the glass into a fine grained crystalline phase. The glass ceramics has properties which deviate from those of the glass from which it was transformed.

3.2

floated glass ceramics

flat, transparent or translucent, clear or tinted glass ceramics having parallel and polished faces obtained by continuous casting and flotation on a metal bath.

3.3

drawn sheet glass ceramics

flat, transparent or translucent, clear or tinted glass ceramics obtained by continuous drawing, initially vertically, of a regular thickness and with the two surfaces fire polished.

3.4

rolled glass ceramics

flat, transparent or translucent, clear or tinted glass ceramics obtained by rolling.

3.5

cast glass ceramics

flat, transparent or translucent, clear or tinted glass ceramics obtained by casting.

3.6

nominal length, H and nominal width, B

pane length or pane width defined with reference to the direction of draw of the glass ceramics ribbon as shown in Figure 1.